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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

08/26/2004

McGuireWoods Suite 1800 1750 Tysons Boulevard McLean, VA 22102-4215 EXAMINER HO, TAN

ART UNIT PAPER NUMBER

2821 DATE MAILED: 08/26/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/612,093	07/03/2003	Jung Bin Bae	07720011US	5813

TITLE OF INVENTION: MULTI-BAND HELICAL ANTENNA

-	APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
•	nonprovisional	NO	\$1330	\$300	\$1630	11/26/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax

(703) 746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further con indicated unless corrected be maintenance fee notification	respondence including the local or directed otherwise is	Patent, advance orde in Block 1, by (a)	ers and notification specifying a new co	of maintenance fees prespondence addres	will be mailed to the current s; and/or (b) indicating a sepa	correspondence address as trate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) 7590 08/26/2004 McGuireWoods Suite 1800 1750 Tysons Boulevard McLean, VA 22102-4215				Fee(s) Transmittal. T	of mailing can only be used for this certificate cannot be used in all paper, such as an assignment to of mailing or transmission.	or domestic mailings of the for any other accompanying ent or formal drawing, must
				C	ertificate of Mailing or Trans this Fee(s) Transmittal is bein, with sufficient postage for fir ail Stop ISSUE FEE address PTO (703) 746-4000, on the o	mission g deposited with the United st class mail in an envelope above, or being facsimile late indicated below.
,						(Depositor's name)
						(Signature)
						(Date)
APPLICATION NO.	FILING DATE	FI	RST NAMED INVEN	TOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/612,093	07/03/2003		Jung Bin Bae		07720011US	5813
TITLE OF INVENTION: M				DI IGATION EPE	TOTAL PREMINE	DATE DUE
APPLN. TYPE	SMALL ENTITY	ISSUE FEE	s Pu	BLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330		\$300	\$1630 —	11/26/2004
EXAM	IINER	ART UNIT	CL	ASS-SUBCLASS		
HO,	TAN	2821		343-895000		
 Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Custome Number is required. 			(1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to			
3. ASSIGNEE NAME AND PLEASE NOTE: Unless recordation as set forth in (A) NAME OF ASSIGN	an assignee is identified be 37 CFR 3.11. Completion	elow, no assignee date of this form is NOT a	ata will appear on the substitute for filing		gnee is identified below, the d	locument has been filed for
				☐ Individual ☐	Corporation or other private gr	oup entity Government
4a. The following fee(s) are enclosed: ☐ Issue Fee			4b. Payment of Fee(s): A check in the amount of the fee(s) is enclosed.			
☐ Issue Fee☐ Publication Fee (No small entity discount permitted)			Payment by credit card. Form PTO-2038 is attached.			
Advance Order - # of Copies			The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).			
	MALL ENTITY status. See	37 CFR 1.27.			ALL ENTITY status. See 37 C	
The Director of the USPTO NOTE: The Issue Fee and P interest as shown by the reco	is requested to apply the Issublication Fee (if required) vords of the United States Pat	ue Fee and Publication will not be accepted fent and Trademark O	on Fee (if any) or to from anyone other the office.	re-apply any previou an the applicant; a re	sly paid issue fee to the applications attorney or agent; or t	ation identified above. he assignee or other party in
Authorized Signature				Date		
Typed or printed name			Registration No.			
This collection of informatic an application. Confidentiali submitting the completed ap this form and/or suggestions Box 1450, Alexandria, Virgi Alexandria, Virginia 22313-	on is required by 37 CFR 1.3 ity is governed by 35 U.S.C pplication form to the USPT for reducing this burden, slinia 22313-1450. DO NOT 1450.	11. The information 122 and 37 CFR 1. O. Time will vary double be sent to the CSEND FEES OR CO	is required to obtain 14. This collection is epending upon the Chief Information OMPLETED FORM	or retain a benefit b s estimated to take 1 ndividual case. Any fficer, U.S. Patent ar S TO THIS ADDRE	y the public which is to file (an 2 minutes to complete, includic comments on the amount of tid d Trademark Office, U.S. Dep SS. SEND TO: Commissioner	d by the USPTO to process) ng gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450,

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75	90 08/26/2004		EXAM	INER
McGuireWoods			но, т	ΓAN
Suite 1800 1750 Tysons Boule	vard		ART UNIT	PAPER NUMBER
McLean, VA 22102			2821	
			DATE MAILED: 08/26/200	4

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.



UNITED STATES PATENT AND TRADEMARK OFFICE

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7:	590 08/26/2004		EXAM	INER
McGuireWoods			но, 1	ΓΑΝ
Suite 1800 1750 Tysons Boule	evard		ART UNIT	PAPER NUMBER
McLean, VA 2210			2821	
			DATE MAILED: 08/26/2004	4

Notice of Fee Increase on October 1, 2004

If a reply to a "Notice of Allowance and Fee(s) Due" is filed in the Office on or after October 1, 2004, then the amount due will be higher than that set forth in the "Notice of Allowance and Fee(s) Due" because an increase in fees effective on October 1, 2004 is anticipated. See Revision of Patent Fees for Fiscal Year 2005; Proposed Rule, 69 Fed. Reg. 25861, 25863, 25864 (May 10, 2004).

The current fee schedule is accessible from WEB site (http://www.uspto.gov/main/howtofees.htm).

If the fee paid is the amount shown on the "Notice of Allowance and Fee(s) Due" but not the correct amount in view of the fee increase, a "Notice of Pay Balance of Issue Fee" will be mailed to applicant. In order to avoid processing delays associated with mailing of a "Notice of Pay Balance of Issue Fee," if the response to the Notice of Allowance is to be filed on or after October 1, 2004 (or mailed with a certificate of mailing on or after October 1, 2004), the issue fee paid should be the fee that is required at the time the fee is paid. See Manual of Patent Examining Procedure (MPEP), Section 1306 (Eighth Edition, Rev. 2, May 2004). If the issue fee was previously paid, and the response to the "Notice of Allowance and Fee(s) Due" includes a request to apply a previously-paid issue fee to the issue fee now due, then the difference between the issue fee amount at the time the response is filed and the previously-paid issue fee should be paid. See MPEP Section 1308.01.

Effective October 1, 2004, 37 CFR 1.18 is proposed to be amended by revising paragraphs (a) through (c) to read as set forth below. As stated above, the final fee may be a different amount, and applicant should check the WEB site given above when paying the fee.

Section 1.18 Patent post allowance (including issue) fees.

(a) Issue fee for issuing each original or reissue patent, except a design or plant patent:

By a small entity (Sec. 1.27(a))	\$670.00
By other than a small entity	
(b) Issue fee for issuing a design patent:	•
By a small entity (Sec. 1.27(a))	\$245.00
By other than a small entity	
(c) Issue fee for issuing a plant patent:	
By a small entity (Sec. 1.27(a))	\$325.00
By other than a small entity	

Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.